

## EAST Search History

| Ref # | Hits  | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|------------------------------|------------------|---------|------------------|
| S155  | 1295  | ((438/216) or (438/287) or (438/288)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2006/06/16 09:32 |
| S154  | 38    | ("nh.sub.3/n.sub.2" "n.sub.2/nh.sub.3") and (nitridization nitridiz\$3 nitridation nitrid\$3)                                | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/16 09:32 |
| S153  | 0     | ("nh.sub.3/n.sub.2" "n.sub.2/nh.sub.3") near (nitridization nitridiz\$3 nitridation nitrid\$3)                               | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 14:30 |
| S152  | 9     | ("nh.sub.3/n.sub.2" "n.sub.2/nh.sub.3") with (nitridization nitridiz\$3 nitridation nitrid\$3)                               | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 14:30 |
| S151  | 32    | S148 and "257".clas.   | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 12:10 |
| S150  | 27    | S148 and "438".clas.   | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 12:10 |
| S149  | 3     | S136 and S148  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 12:05 |
| S148  | 105   | metal with (nitridation nitriding) with (nitrogen or "n.sub.2") with (ammonia "nh.sub.3")                                    | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 12:05 |
| S147  | 5     | refractory with (nitridation nitriding) with (nitrogen or "n.sub.2") with (ammonia "nh.sub.3")                               | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 12:05 |
| S143  | 22    | ((tungsten with nitrid\$5) or wn or "wn.sub.x") with ((nitrogen or "n.sub.2") with (ammonia or "nh.sub.3")) with temperature | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 12:03 |
| S146  | 3     | (wn or "wn.sub.x") with ((nitrogen or "n.sub.2") with (ammonia or "nh.sub.3")) with temperature                              | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 11:19 |
| S145  | 1     | S143 not S142  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 11:18 |
| S144  | 0     | S142 not S143  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 11:18 |
| S141  | 479   | (tungsten with nitrid\$5) and ((nitrogen or "n.sub.2") with (ammonia or "nh.sub.3")) with temperature                        | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 11:17 |
| S142  | 21    | (tungsten with nitrid\$5) with ((nitrogen or "n.sub.2") with (ammonia or "nh.sub.3")) with temperature                       | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 10:53 |
| S140  | 25291 | tungsten with nitrid\$5  | US-PGPUB;<br>USPAT           | OR               | ON      | 2006/06/15 10:48 |

## EAST Search History

|          |      |   |                              |    |     |                  |
|----------|------|---|------------------------------|----|-----|------------------|
| S13<br>9 | 20   | ("5099305"   "5111355"   "5187638"  <br>"5227855"   "5293510"   "5369296"  <br>"5381302"   "5424238"   "5443688"  <br>"5452178"   "5561307"   "5612082"  <br>"5645887"   "5654207"   "5665628"  <br>"5674787"   "5688724"   "6147408"  <br>"6214728"   "6291250").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/06/15 10:04 |
| S13<br>8 | 160  | S137 and silicide   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/06/15 09:59 |
| S13<br>7 | 364  | S136 and recessed   | US-PGPUB;<br>USPAT           | OR | ON  | 2006/06/15 09:59 |
| S13<br>6 | 5500 | ((438/625) or (438/626) or (438/627)<br>or (438/628) or (438/629) or<br>(438/630) or (438/642) or (438/643)<br>or (438/644) or (438/645) or<br>(438/648) or (438/649) or (438/650)<br>or (438/651) or (438/656) or<br>(438/683)).CCLS.                                | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/06/15 09:59 |
| S11<br>9 | 2060 | ((438/648) or (438/656) or<br>(438/683)).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2006/06/15 09:58 |
| S13<br>5 | 9    | ("5609927").URPN.   | USPAT                        | OR | ON  | 2006/06/15 09:46 |
| S13<br>4 | 9    | ("5609927").URPN.   | USPAT                        | OR | ON  | 2006/06/15 09:45 |
| S13<br>3 | 2    | ("5039376"   "5048163").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/06/15 09:45 |
| S13<br>2 | 6    | ("4069096"   "4582564"   "5231306"  <br>"5360995"   "5504041"   "5609927").<br>PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2006/06/15 09:44 |
| S13<br>1 | 1    | "09/146,108"  | US-PGPUB;<br>USPAT           | OR | ON  | 2006/06/15 09:41 |